

Delaware State Clearinghouse Committee Agenda

January 21, 2016

<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
New Business									
1	2553	Executive, Criminal Justice, Criminal Justice Council	Smart on Juvenile Justice: Enhancing Youth Access to Justice Initiative	\$147,983	\$0	\$0	0.10	0.00	0.00
2	2566	Executive, Criminal Justice, Criminal Justice Council	Adam Walsh Act Implementation	\$400,000	\$0	\$0	0.00	0.00	0.00
3	2567	Executive, Criminal Justice, Criminal Justice Council	Project Safe Neighborhoods	\$144,946	\$0	\$0	0.04	0.00	0.00
4	2558	Legal, Office of Attorney General	High Intensity Drug Trafficking Areas Program	\$48,750	\$0	\$0	0.00	0.00	0.00
5	2556	Department of Health and Social Services, Medicaid and Medical Assistance	Improving Maternal and Infant Health Outcomes	\$100,000	\$0	\$0	0.00	0.00	0.00
6	2534	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Conservation and Recovery of Sturgeons	\$221,454	\$73,818	\$0	0.80	0.00	0.00
7	2542	Department of Natural Resources and Environmental Control, Office of the Secretary, Coastal Programs	Marine Debris Removal	\$126,124	\$126,149	\$0	0.43	0.00	0.00
8	2554	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Waste and Hazardous Substances	Restore Urban Waterways - Brandywine Riverfront Northeast	\$53,000	\$0	\$16,090	0.00	0.00	0.00
Continued									
9	2551	Executive, Criminal Justice, Criminal Justice Council	John R. Justice	\$30,801	\$0	\$0	0.01	0.00	0.00
10	2560	Executive, Criminal Justice, Criminal Justice Council	Residential Substance Abuse Treatment	\$55,559	\$18,520	\$0	0.03	0.00	0.00
11	2563	Executive, Criminal Justice, Criminal Justice Council	Prison Rape Elimination Act Reallocation Funds	\$34,241	\$0	\$0	0.00	0.00	0.00
12	2564	Executive, Criminal Justice, Criminal Justice Council	National Forensic Sciences Improvement Act - Coverdell	\$63,705	\$0	\$0	0.00	0.00	0.00
13	1992 Amendment 2	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients and Providers Act	\$65,619	\$0	\$0	0.00	0.00	0.00
14	2015-09-28-01	Department of State, Regulation and Licensing, Public Service Commission	Natural Gas Pipeline Safety Base Grant	\$59,456	\$201,398	\$0	0.50	1.86	0.00
15	2543	Department of State, Regulation and Licensing, Public Service Commission	Pipeline Safety One Call Grant	\$12,110	\$0	\$0	0.02	0.00	0.00
16	2573	Department of Health and Social Services, State Service Centers	AmeriCorps State Administrative Grant for Delaware Commission on Community and Volunteer Service	\$250,000	\$250,000	\$0	2.75	1.40	0.00
17	2547	Department of Health and Social Services, Public Health, Community Health	Sexual Violence Prevention and Education	\$219,367	\$0	\$0	0.00	0.00	0.00
18	2549	Department of Health and Social Services, Public Health, Community Health	Water System Supervision	\$577,998	\$427,191	\$0	8.00	8.35	0.00
19	2555	Department of Health and Social Services, Public Health, Community Health	Ryan White Care Act Title II	\$4,975,434	\$0	\$0	4.05	0.00	0.00

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20	2562	Department of Health and Social Services, Public Health, Community Health	Pregnancy Risk Assessment Monitoring System	\$151,252	\$132,152	\$0	2.00	0.74	0.00
21	2565	Department of Health and Social Services, Public Health, Emergency Medical Services	Emergency Medical Services for Children Partnership	\$130,000	\$13,717	\$0	0.00	0.10	0.00
22	2568	Department of Health and Social Services, Public Health, Community Health	Retail Food Standards - Category One	\$3,000	\$0	\$0	0.00	0.00	0.00
23	2569	Department of Health and Social Services, Public Health, Community Health	Retail Food Standards - Category Three	\$3,000	\$0	\$0	0.00	0.00	0.00
24	2533	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Adoption Incentive Payments Program	\$10,013	\$0	\$0	0.00	0.00	0.00
25	2536	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Coastal Finfish Assessment Survey	\$152,631	\$50,877	\$0	2.19	0.45	0.00
26	2538	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Freshwater Fisheries Management Program	\$30,393	\$10,131	\$0	0.26	0.10	0.00
27	2541	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Anadromous Species Investigations	\$272,310	\$90,770	\$0	3.03	0.01	0.00
28	2546	Department of Natural Resources and Environmental Control, Office of the Secretary, Information Technology	Environmental Information Exchange Network	\$286,459	\$0	\$0	0.00	0.00	0.00
29	2548	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Aquatic Resources Education	\$375,000	\$125,000	\$0	2.08	0.27	0.00
30	2561	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Survey of Sport Fish of Delaware Bay	\$140,073	\$46,691	\$0	0.00	0.34	0.00
31	2483	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Vocational Rehabilitation Services	\$12,076,795	\$3,268,561	\$0	76.50	0.00	0.00
32	2488	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Supported Employment Services	\$255,000	\$28,333	\$0	0.00	0.00	0.00
33	2079 Amendment	Department of Labor, Employment and Training, Employment and Training Services	Disabled Veterans Outreach Program	\$190,000	\$0	\$0	2.00	0.00	0.00
34	2487	Department of Labor, Vocational Rehabilitation, Vocational Rehabilitation Services	Independent Living Services	\$259,547	\$29,560	\$0	1.00	0.00	0.00
35	2570	Department of Education	Head Start Collaboration	\$125,000	\$25,000	\$0	0.75	0.00	0.00

Higher Education

1	2016-01-02-01	HE/University of Delaware	Developing a Fraction Sense Intervention for Students with or at Risk for Math Difficulties	\$1,712,799	\$0	\$0			
2	2016-01-02-02	HE/University of Delaware	Development of Next-Generation Relativistic Program for All-Order Treatment of Many-Electron Systems	\$301,923	\$0	\$0			

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3	2016-01-02-03	HE/University of Delaware	The BADER Consortium	\$15,075,512	\$0	\$0			
4	2016-01-02-04	HE/University of Delaware	Factors Affecting Interpersonal Synchrony in Children with Autism Spectrum Disorder	\$0	\$0	\$60,800			
5	2016-01-02-05	HE/University of Delaware	Spintronics Based on Topological Insulators	\$410,899	\$0	\$0			
6	2016-01-02-06	HE/University of Delaware	Instructive Materials for Directing Neovascularization and Inflammation	\$253,038	\$0	\$0			
7	2016-01-02-07	HE/University of Delaware	Collaborative Research: New Developments in High-Dimensional Sufficient Dimension Reduction with Applications to RNA-Sequencing and Neuroimaging	\$108,644	\$0	\$0			
8	2016-01-02-08	HE/University of Delaware	Development of Face Expertise & Racial Biases: A Perceptual to Social Hypothesis	\$0	\$0	\$376,674			
9	2016-01-02-09	HE/University of Delaware	An Assessment of Virginia's Historical Canada Goose Harvest, Populations, and Management	\$0	\$0	\$56,738			
10	2016-01-02-10	HE/University of Delaware	Implications for Upper Extremity Function After Corrective Spinal Surgery in Idiopathic Scoliosis	\$117,596	\$0	\$0			
11	2016-01-02-11	HE/University of Delaware	Epigenetic and Neural Correlates of the Transgenerational Transmission of Trauma and PTSD in Rwanda	\$0	\$0	\$92,000			
12	2016-01-02-12	HE/University of Delaware	Organic/Semiconductor Hybrid Solar Cells	\$0	\$0	\$50,305			
13	2016-01-02-13	HE/University of Delaware	DOS FY2016 Study of the U.S. Institutes for Scholars and Secondary Educators	\$255,177	\$0	\$0			
14	2016-01-02-14	HE/University of Delaware	K-Space RF Receiver	\$0	\$0	\$64,183			
15	2016-01-02-15	HE/University of Delaware	Chemistry Bishdroxymethyl Furan	\$0	\$0	\$147,755			
16	2016-01-02-16	HE/University of Delaware	Space Time Structure of Solar Wind Turbulence and Implications for Charged Particle Propagation	\$230,593	\$0	\$0			
17	2016-01-02-17	HE/University of Delaware	Learning Probabilistic Predictive Models for Prediction, Diagnosis, and Severity Scoring of Hypertrophic Cardiomyopathy From Multiple Data Modalities	\$1,418,127	\$0	\$0			

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18	2016-01-02-18	HE/University of Delaware	LEWES/NPS National Register District Survey II FY16	\$0	\$0	\$4,394			
19	2016-01-02-19	HE/University of Delaware	LEWES/NTHP NR District Survey Report FY16	\$0	\$0	\$4,571			
20	2016-01-02-20	HE/University of Delaware	National Register Historic District Milton Phase III	\$0	\$0	\$4,394			
21	2016-01-02-21	HE/University of Delaware	JMA Dennis Farm Architectural Documentation	\$0	\$0	\$15,652			
22	2016-01-02-22	HE/University of Delaware	Acquisition of Goods and Services: Conducting Research on Biological Control of Invasive Insect Pests, Including (but not limited to) Brown Marmorated Stink Bug	\$36,363	\$0	\$0			
23	2016-01-02-23	HE/University of Delaware	CRESP Will Serve as the Evaluation Arm, in Conjunction with Wholesome Wave, for a New Project Where Low-Income SNAP Participants in New York City will Receive Fruit and Vegetable Incentive Vouchers for Use at Farmers Markets	\$0	\$0	\$59,541			
24	2016-01-02-24	HE/University of Delaware	SCH: INT: Collaborative Research: Smart Wearable Systems to Support and Measure Movement in Children With and Without Mobility Impairments	\$320,071	\$0	\$0			
25	2016-01-02-25	HE/University of Delaware	Impact of Botulinum Toxin and Vibration on Muscle Quality and Physical Activity in Children with Cerebral Palsy	\$1,240,150	\$0	\$0			
26	2016-01-02-26	HE/University of Delaware	Biomechanical Properties in a Surgically Induced Disc Degeneration Model and IDCT Treatment	\$0	\$0	\$17,133			
27	2016-01-02-27	HE/University of Delaware	Silicon Photonic Enabled Reconfigurable High-Data Rate Optical WDM Switching Fabric	\$0	\$0	\$61,097			
28	2016-01-02-28	HE/University of Delaware	Determining the Underwater Hearing Abilities and the Efficacy of Sensory Deterrents on Sea ducks	\$88,060	\$0	\$0			
29	2016-01-02-29	HE/University of Delaware	Expansion of the Fear Circuit in the Rat Brain	\$0	\$0	\$225,000			
30	2016-01-02-30	HE/University of Delaware	DOS Bureau of Educational and Cultural Affairs (ECA): FY 2016 Study of the U.S. Institutes for Student Leaders	\$217,387	\$0	\$0			
31	2016-01-02-32	HE/University of Delaware	Providing Research and Data Support for the Wilmington Education Improvement Commission	\$0	\$0	\$4,931			
32	2016-01-02-33	HE/University of Delaware	Semantic Literature Annotation and Integrative Panomics Analysis for PTM-Disease Knowledge Network Discovery	\$900,002	\$0	\$0			

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33	2016-01-02-34	HE/University of Delaware	An Evaluation of Lactobacillus Buchneri 40788 and Experimental Microbial Strains For Improving the Aerobic Stability of Corn Silage	\$0	\$0	\$32,223			
34	2016-01-02-35	HE/University of Delaware	Impact of Gaseous Contamination and High Humidity on the Reliable Operation of Information Technology Equipment in Data Centers	\$0	\$0	\$212,242			
35	2016-01-02-36	HE/University of Delaware	Enhancing Engineering Communication Through Genuine Authentic Mobile Exercises (GAMES)	\$0	\$0	\$25,642			
36	2016-01-02-37	HE/University of Delaware	Systems for Solar Fuels Generation Utilizing PV and Electrolysis-Spring Conference	\$5,000	\$0	\$0			
37	2016-01-02-38	HE/University of Delaware	EDU: Cyber Security and Safety Education with Social Robots	\$202,800	\$0	\$0			
38	2016-01-02-39	HE/University of Delaware	Estate Planning and Farm Succession	\$0	\$0	\$13,311			
39	2016-01-02-40	HE/University of Delaware	New Photonic Materials From Self-Assembled Anisotropic Nanoparticles	\$224,955	\$0	\$0			
40	2016-01-02-41	HE/University of Delaware	Systems for Solar Fuels Generation Utilizing PV and Electrolysis	\$2,500	\$0	\$0			
41	2016-01-02-42	HE/University of Delaware	DOW SPIN IN WEIR	\$0	\$0	\$48,201			
42	2016-01-02-43	HE/University of Delaware	Area Wide Evaluation of Multiple Insecticide Applications to Control Dectes Stem Borer in Soybeans	\$0	\$0	\$3,933			
43	2016-01-02-44	HE/University of Delaware	Evaluating the Response of Full Season and Double Cropped Soybeans to Various Soil Moisture Levels	\$0	\$0	\$16,290			
44	2016-01-02-45	HE/University of Delaware	Effect of Fertigation on Irrigated Full Season and Double Cropped Soybeans	\$0	\$0	\$8,979			
45	2016-01-02-46	HE/University of Delaware	Weed Management for No-Till and Double-Cropped Soybeans for Problem Species and Herbicide-Resistant Biotypes	\$0	\$0	\$17,898			
46	2016-01-02-47	HE/University of Delaware	Analyses of Phosphorous Origin in the Chesapeake Bay: ii) Biologically Unavailable Phosphorus in the Water Exported to the Chesapeake Bay	\$0	\$0	\$41,274			
47	2016-01-02-48	HE/University of Delaware	Entropic Viral Engine	\$61,387	\$0	\$0			

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48	2016-01-02-49	HE/University of Delaware	EDU: Integrating Cybersecurity Education with Cloud Computing Environments	\$202,672	\$0	\$0			
49	2016-01-02-50	HE/University of Delaware	Generation of Optimized SPMD Kernels Using the ROSE Compiler	\$0	\$0	\$49,371			
50	2016-01-02-51	HE/University of Delaware	Integrating Parenting and Financial Counseling	\$0	\$0	\$23,551			
51	2016-01-02-52	HE/University of Delaware	Silicon Photonic Enabled Reconfigurable High-Data Rate Optical WDM Switching Fabrics for Advanced Digital Networking Applications Kiamilev	\$0	\$0	\$54,296			
52	2016-01-02-53	HE/University of Delaware	Sunshot National Laboratory Multi-Year Partnership	\$314,103	\$0	\$0			
53	2016-01-02-54	HE/University of Delaware	Modeling the Coupled Dynamics Between Coastal Eutrophication, Seagrass and Hydrodynamics Under Climate Change and Land-Based Nutrient Loading Scenarios	\$0	\$0	\$108,684			
54	2016-01-02-55	HE/University of Delaware	DOW Agrosiences Soybean Testing	\$0	\$0	\$7,092			
55	2016-01-02-56	HE/University of Delaware	Examination of Femoral and Tissue Blood Flow in Chickens While in the Standing and Seated Postures	\$134,091	\$0	\$0			
56	2016-01-02-57	HE/University of Delaware	Understanding Degradation Mechanism of Energy and Organic Electronic Materials by using 2-Dimensional Correlation Spectroscopy	\$0	\$0	\$89,270			
57	2016-01-02-58	HE/University of Delaware	Mechanisms Contributing to Vascular Dysfunction in Women: Role of Estradiol	\$0	\$0	\$210,000			
58	2016-01-02-59	HE/University of Delaware	NOAA NWS National Mesonet	\$0	\$0	\$151,474			
59	2016-01-02-60	HE/University of Delaware	JHU / ARO Minimal Agent-Based Models and Passive Warning Systems in Evacuating Crowds	\$0	\$0	\$19,871			
60	2016-01-02-61	HE/University of Delaware	Ship Operations	\$254,480	\$0	\$0			
61	2016-01-02-62	HE/University of Delaware	CDS Night Glow Short Wave Infrared LED (NSLED) Image Projector Development Kiamilev	\$0	\$0	\$148,233			
62	2016-01-02-63	HE/University of Delaware	Impact of Pre-Culture and In Vivo Remobilization on Engineered Disc Replacement	\$7,663	\$0	\$0			

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63	2016-01-02-64	HE/University of Delaware	Variety Development and Field Testing of Small Grains in Maryland for Higher Yields, Scab Resistance, Reduced Disease Incidence, Harvest ability, Milling and Baking Quality	\$0	\$0	\$5,416			
64	2016-01-02-65	HE/University of Delaware	Annie E. Casey Kids Count 2016 Barlow	\$0	\$0	\$95,238			
65	2016-01-02-66	HE/University of Delaware	Health and College Life Among Young Adults With/Without Diabetes and Asthma: A Secondary Analysis of NHANES Data	\$0	\$0	\$1,000			
66	2016-01-02-67	HE/University of Delaware	GA Tech/Helmsley Charitable Trust, Vertically-Integrated Projects Program (VIP), NOVOCIN	\$0	\$0	\$148,624			
67	2016-01-02-68	HE/University of Delaware	Resin Infusible Carbon Fiber Unidirectional Broadgoods for Fatigue Dominated Applications	\$0	\$0	\$144,232			
68	2016-01-02-69	HE/University of Delaware	Acquisition of Goods and Services; DNA Sequencing and Bioinformatics Support for the Genetics of Host Specificity In-House Project	\$4,545	\$0	\$0			
69	2016-01-02-70	HE/University of Delaware	Permafrost Modeling in the Dry Andes, Argentina	\$0	\$0	\$24,000			
70	2016-01-02-71	HE/University of Delaware	Original Proposal 15A00582: Transcriptional Analysis of Pollen Development in Haploid Inducer Lines	\$0	\$0	\$49,007			
71	2016-01-02-72	HE/University of Delaware	Sponsorship of 7th North American Duck Symposium	\$0	\$0	\$15,000			
72	2016-01-02-73	HE/University of Delaware	Carbonyls to Cancer Therapeutics	\$74,485	\$0	\$0			
73	2016-01-02-74	HE/University of Delaware	Public Acceptability and Land Value Taxation: An Experimental Economics Investigation	\$0	\$0	\$22,999			
74	2016-01-02-75	HE/University of Delaware	HHS DATI FY2016 Delaware Assistive Technology Initiative	\$376,568	\$0	\$0			
75	2016-01-02-76	HE/University of Delaware	Pushing the Boundaries: Using Advanced Technology to Locate and Rapidly Assess Cultural Sites in Multiple Underwater Environments within NOAA's Thunder Bay National Marine Sanctuary	\$0	\$0	\$46,875			
76	2016-01-02-99	HE/University of Delaware	Collaborative Research: New Directions in Multidimensional and Multivariate Functional Data Analysis	\$97,859	\$0	\$0			
77	2016-01-03-01	HE/University of Delaware	Dynamic Stability in the ACL Injured Knee	\$1,685,460	\$0	\$0			

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78	2016-01-03-02	HE/University of Delaware	Promoting Recovery Optimization with Walking Exercise After Stroke	\$3,996,970	\$0	\$0			
79	2016-01-03-03	HE/University of Delaware	Interdisciplinary Senior Design Bridge Course	\$0	\$0	\$30,000			
80	2016-01-03-04	HE/University of Delaware	Schools That Lead Contract for PD in four participating schools	\$0	\$0	\$54,545			
81	2016-01-03-05	HE/University of Delaware	Cross-Talk Among Genomic Islands: The Role of Recombination Directionality Factors in Island Excision	\$387,254	\$0	\$0			
82	2016-01-03-06	HE/University of Delaware	Random Combinatorial Structures and Related Processes	\$162,697	\$0	\$0			
83	2016-01-03-07	HE/University of Delaware	Applications of Probability Theory to Statistics of Permutations, Sequence Alignment and Convergence of Monte Carlo Methods	\$213,011	\$0	\$0			
84	2016-01-03-08	HE/University of Delaware	Morphogenesis and Mechanical Models of Normal and Crypt orchid Gubernaculum	\$0	\$0	\$74,382			
85	2016-01-03-09	HE/University of Delaware	Changes in Post-Stroke Propulsive Gait Dynamics as a Result of Handrail Use During Treadmill Walking	\$100,000	\$0	\$0			
86	2016-01-03-10	HE/University of Delaware	Tailored Universal Feedstock for Forming (TuFF)	\$12,110,176	\$0	\$0			
87	2016-01-03-11	HE/University of Delaware	Understanding Breast Cancer Dormancy and Reactivation to Prevent Recurrence	\$0	\$0	\$360,002			
88	2016-01-03-12	HE/University of Delaware	The Cognitive and Neural Mechanisms Underlying Visual Context Learning	\$0	\$0	\$114,849			
89	2016-01-03-13	HE/University of Delaware	Linuron and Fomesafen: Nature of Performance on Sweet Potato	\$0	\$0	\$7,000			
90	2016-01-03-14	HE/University of Delaware	Collaborative Research: Consequences and Control of Randomness in Timing of Cellular Events	\$147,152	\$0	\$0			
91	2016-01-03-15	HE/University of Delaware	Collaborative Research: An Interdisciplinary Approach to Modeling Multiple Stakeholder Decision-Making to Reduce Regional Natural Disaster Risk	\$5,160	\$0	\$0			
92	2016-01-03-16	HE/University of Delaware	CIF:SMALL:OFDM Synthetic Aperture Radar	\$296,506	\$0	\$0			

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93	2016-01-03-17	HE/University of Delaware	NOAA Sea Grant Supplemental Application - Merit Funding (M/M-2)	\$32,164	\$0	\$0			
94	2016-01-03-18	HE/University of Delaware	PADE WOW Science Camp 15/16 Partner Organization	\$0	\$0	\$12,000			
95	2016-01-03-19	HE/University of Delaware	Ab Hanson & Mohring MIC for Sodium Nitrate	\$0	\$0	\$2,400			
96	2016-01-03-20	HE/University of Delaware	SHF: SMALL: Enabling and Supporting the Development of Energy-Efficient Software	\$350,718	\$0	\$0			
97	2016-01-03-21	HE/University of Delaware	SHF: SMALL: Collaborative Research: Cloud-Mentor: Guiding Cloud Users for Cost Performance Through Testing and Recommendation	\$175,953	\$0	\$0			
98	2016-01-03-22	HE/University of Delaware	Mineral-Fluid Interactions: Synchrotron Radiation Studies at the Advanced Photon Source	\$0	\$0	\$38,095			
99	2016-01-03-23	HE/University of Delaware	AF:SMALL: Collaborative Research: Linear Algebra Algorithms and Applications Using Invariant Factor Computation	\$132,831	\$0	\$0			
100	2016-01-03-24	HE/University of Delaware	Cross Regulation of Signaling Pathways Activate Small GTPases to Drive Cell Motility	\$191,339	\$0	\$0			
101	2016-01-03-25	HE/University of Delaware	Collaborative Research: Fluorine - Source to Surface in the East African Rift	\$538,805	\$0	\$0			
102	2016-01-03-26	HE/University of Delaware	Achilles Tendon Structure and Calf Function in Ballet Dancers	\$0	\$0	\$15,000			
103	2016-01-03-27	HE/University of Delaware	Formalizing Integrity Based on blur and Electron Response (FIBBER)	\$0	\$0	\$172,702			
104	2016-01-03-28	HE/University of Delaware	Impact of different Formulations of Rumen Protected Methionine and Lysine on Dairy Cow Performance, Milk Composition, and Milk Casein	\$0	\$0	\$33,116			
105	2016-01-03-29	HE/University of Delaware	Determining the Influences of Adhesive and Cytoskeletal Organization on the Distribution of Cell-Generated Traction Forces and Migration	\$0	\$0	\$52,174			
106	2016-01-03-30	HE/University of Delaware	The National Person-Centered Assessment Resource	\$0	\$0	\$51,640			
107	2016-01-03-31	HE/University of Delaware	Repurposing the CRISPR-Cas9 System for Dynamic Control of Cellular Metabolism	\$895,212	\$0	\$0			

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108	2016-01-03-32	HE/University of Delaware	N-Methyl-Bacillithiol: A Gateway into Probing Thiol Metabolite Structure and Function Across a Wide Spectrum of Microbial Diversity	\$471,924	\$0	\$0			
109	2016-01-03-33	HE/University of Delaware	Structural Effects of Protein Phosphorylation and O-GlcNAcylation	\$448,246	\$0	\$0			
110	2016-01-03-34	HE/University of Delaware	Developing High Resolution of Global Soil Moisture Information	\$0	\$0	\$99,972			
111	2016-01-03-35	HE/University of Delaware	Redox-Active Ligands for Catalysis of Small Molecule Reduction	\$369,672	\$0	\$0			
112	2016-01-03-36	HE/University of Delaware	Delaware Geological Survey National Ground-Water Monitoring Network	\$18,952	\$0	\$0			
113	2016-01-03-37	HE/University of Delaware	Biomechanics of Cycling in Cyclists With and Without Knee Pain	\$0	\$0	\$7,172			
114	2016-01-03-38	HE/University of Delaware	Low Power Silicon Photonics	\$0	\$0	\$652,853			
115	2016-01-03-39	HE/University of Delaware	Analysis of the Ribonucleases of Arabidopsis Thaliana	\$598,473	\$0	\$0			
116	2016-01-03-40	HE/University of Delaware	What Controls Selenenic Acids? Understanding the Biochemistry of Selenocysteine	\$319,731	\$0	\$0			
117	2016-01-03-41	HE/University of Delaware	Nonlinear Dispersive Water Waves in Multiscale Interaction Problems	\$126,745	\$0	\$0			
118	2016-01-03-42	HE/University of Delaware	Polycarbonate Prepreg Fabrication with Aqueous Bath Process	\$0	\$0	\$20,000			
119	2016-01-03-43	HE/University of Delaware	Improving Cognitive Outcomes in a Rodent Model of Fetal Alcohol Syndrome	\$0	\$0	\$25,000			
120	2016-01-03-44	HE/University of Delaware	Improving Student Learning: A Partnership between UD and UNIFEI	\$0	\$0	\$66,540			
121	2016-01-03-45	HE/University of Delaware	When Anomalous Becomes the Norm: Reaction and (Sub)diffusion in Heterogeneous Membranes	\$401,778	\$0	\$0			
122	2016-01-03-46	HE/University of Delaware	Collaborative Research: From Genotype to Fluxome to a Comprehensive Kinetic Model of Escherichia Coli	\$700,144	\$0	\$0			

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							Federal	State	Other
123	2016-01-03-47	HE/University of Delaware	Inverse Problems for Wave Equation	\$97,142	\$0	\$0			
124	2016-01-03-48	HE/University of Delaware	Collaborative Research: Arterial Remodeling in Atherosclerosis	\$144,626	\$0	\$0			
125	2016-01-03-49	HE/University of Delaware	TWC: Small: Collaborative: Reputation-Escalation-as-a-Service: Analyses and Defenses	\$135,093	\$0	\$0			
126	2016-01-03-50	HE/University of Delaware	Research GAP Analysis Intrusion Detection Systems (IDS) monitoring Industrial Control Systems (ICS)	\$384,615	\$0	\$0			
127	2016-01-03-51	HE/University of Delaware	Mechanistic Kinetic Model Development for Hydrotreating/Hydrocracking/Isomerization Including Catalyst Deactivation and Catalyst Properties	\$0	\$0	\$258,100			
128	2016-01-03-52	HE/University of Delaware	PADE Christina Cultural Arts Center 15/16 Partner Organization	\$0	\$0	\$10,000			
129	2016-01-03-53	HE/University of Delaware	Collaborative Research: Pathways to a Mammalian Cell Minimalist: Synthetic Reconstruction of Amino Acid Metabolism in Eukaryotic Auxotrophs	\$435,879	\$0	\$0			
130	2016-01-03-54	HE/University of Delaware	NSF CAPLAN MCB	\$1,016,438	\$0	\$0			
131	2016-01-03-55	HE/University of Delaware	CIF: SMALL: Leader Identification with Transfer Entropy	\$331,420	\$0	\$0			
132	2016-01-03-56	HE/University of Delaware	Collaborative Research: Microenvironmental Effects on Stem Cell-Derived Cardiomyocyte Subtype Specification	\$189,918	\$0	\$0			
133	2016-01-03-57	HE/University of Delaware	CIF:Small:Collaborative Research: Analog Joint Source-Channel Coding: From Point-To-Point To Multiterminal Communications	\$179,963	\$0	\$0			
134	2016-01-03-58	HE/University of Delaware	Developmental Effects of Common Psychoactive Drugs on C Elegans Raised on a Xenic Media	\$60,013	\$0	\$0			
135	2016-01-03-59	HE/University of Delaware	Concept Systems SIM State-Led Evaluation by DHSS HSS-15-055	\$0	\$0	\$227,518			
136	2016-01-03-60	HE/University of Delaware	Measurement and Assessment of Climate Change in the Social Sphere	\$0	\$0	\$200,000			
137	2016-01-03-61	HE/University of Delaware	NSF TWC: Small: A Comprehensive and Cost-Effective Defense Against Hardware Trojans in Smart Devices Yang	\$331,633	\$0	\$0			

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138	2016-01-03-62	HE/University of Delaware	Ionizing Radiation Above Earth	\$31,648	\$0	\$0			
139	2016-01-03-63	HE/University of Delaware	Biophysical Cues in Colon Cancer Progression - A Comprehensive Study using Primary Human Samples	\$0	\$0	\$250,000			
140	2016-01-03-64	HE/University of Delaware	CNH-L: Glyphosate in Soil and Water: Coupling Economics and Natural Science to Better Understand and Manage Human Exposure and Environmental Contamination	\$962,451	\$0	\$0			
141	2016-01-03-65	HE/University of Delaware	CCF:SHF:SMALL: A Unified Memory Model for Embedded and Extreme Parallel Systems	\$328,781	\$0	\$0			
142	2016-01-03-66	HE/University of Delaware	CIF SMALL: Foundational Extremal Problems in Information Theory	\$320,513	\$0	\$0			
143	2016-01-03-67	HE/University of Delaware	Studies of the Relationship Between Reconnection and Turbulence	\$553,467	\$0	\$0			
144	2016-01-03-68	HE/University of Delaware	CIF: Small: Hybrid Analog-Digital Schemes for Joint Source-Channel Coding of Digital Sources	\$272,213	\$0	\$0			
145	2016-01-03-69	HE/University of Delaware	Collaborative Research: Spin Physics 'by design' in Quantum Dot Molecules	\$48,063	\$0	\$0			
146	2016-01-03-70	HE/University of Delaware	NSF TWC: SMALL: Involutional Mappings Over Finite Fields	\$177,035	\$0	\$0			
147	2016-01-03-71	HE/University of Delaware	SHF:Small:Regularity-Oriented Program Optimization for Bulk Synchronous Parallel Processors	\$232,812	\$0	\$0			
148	2016-01-03-72	HE/University of Delaware	SHF:Small:Exploiting Input-Characteristics Derived Parallelism In Signal Processing Synchronous Parallel Processors	\$232,812	\$0	\$0			
149	2016-01-03-73	HE/University of Delaware	Nanoporous Single-Atom Alloy Catalysts for Energy Applications	\$502,810	\$0	\$0			
150	2016-01-03-74	HE/University of Delaware	Prepreg Fabrication Using an Aqueous Bath Process	\$0	\$0	\$132,800			
151	2016-01-03-75	HE/University of Delaware	Controlled Release Drug Delivery to Prevent Post-Traumatic Osteoarthritis Following Knee Trauma	\$329,877	\$0	\$0			
152	2016-01-03-76	HE/University of Delaware	DARPA HARvesting Knowledge from Emanating Signals (HARKES) Yang	\$3,117,445	\$0	\$0			

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153	2016-01-03-77	HE/University of Delaware	Integrated SRM-MS Analysis and siRNA Therapy for the Early Detection and Prevention of Heterotopic Ossification	\$0	\$0	\$9,357			
154	2016-01-03-78	HE/University of Delaware	Materials in Extreme Dynamic Environments 2016	\$0	\$0	\$719,088			
155	2016-01-03-79	HE/University of Delaware	Delaware State Parks: Making Climate Change Clear	\$0	\$0	\$26,536			
156	2016-01-03-80	HE/University of Delaware	Joint Project on the Modeling of Heavy Petroleum Molecular Conversion	\$0	\$0	\$102,437			
157	2016-01-03-81	HE/University of Delaware	XU DOE EPSCOR	\$600,000	\$0	\$0			
158	2016-01-03-82	HE/University of Delaware	Understanding Energy Absorption Mechanisms in Multisize Alloy Quantum Dot Thin-film Photovoltaics	\$544,160	\$0	\$0			
159	2016-01-03-83	HE/University of Delaware	Hydroxylation Dependent (Photo)Chemical Reactivity at Metal Oxide Interfaces	\$529,002	\$0	\$0			
160	2016-01-03-84	HE/University of Delaware	Phototoxicity Target Lipid Model of Polycyclic Aromatic Hydrocarbons (PAHs)	\$0	\$0	\$18,660			
161	2016-01-03-85	HE/University of Delaware	The Global Structure of the Heliosphere and Heliosheath: Effects of Turbulence Transport and Pickup Protons	\$277,644	\$0	\$0			
162	2016-01-03-86	HE/University of Delaware	Metagenomic and Metatranscriptomic Analysis of the Tonga Trench Microbiota: A Comparative Study of Microbial Diversity and Metabolic Potential from Surface Waters to Six Feet Below Seafloor	\$0	\$0	\$2,500			
163	2016-01-03-87	HE/University of Delaware	Liquid Phase Catalytic Cleavage of C-C Linkages in Lignin Feedstocks In-situ Surface Specific Spectroscopy and Structure-Activity Relationship	\$514,138	\$0	\$0			
164	2016-01-03-88	HE/University of Delaware	DOE Leveraging SSD and NVM Properties to Accelerate Checkpoint and Recovery in Lengthy Scientific Applications Yang	\$512,023	\$0	\$0			
165	2016-01-03-89	HE/University of Delaware	BC151514 Towards Understanding Breast Cancer Cutaneous Metastases	\$374,443	\$0	\$0			
166	2016-01-03-90	HE/University of Delaware	Electrophoretic Deposition of Nanostructures for Functional Applications	\$0	\$0	\$30,745			
167	2016-01-03-91	HE/University of Delaware	Delaware Sea Grant 2016-2018 Omnibus	\$1,813,635	\$0	\$0			

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168	2016-01-03-92	HE/University of Delaware	Evaluation of Nitrogen Rate and Fungicide Use on Wheat Yield and Quality	\$0	\$0	\$2,621			
169	2016-01-03-93	HE/University of Delaware	Computational Electromagnetomechanics: A Very Moving Problem	\$179,295	\$0	\$0			
170	2016-01-03-94	HE/University of Delaware	OP: Collaborative Research: Integrated Simulation of Non-Homogeneous Thin-Film Photovoltaic Devices	\$379,213	\$0	\$0			
171	2016-01-03-95	HE/University of Delaware	Evaluation of an Experimental Nematicide (DPX) for Control of Root Knot (Meloidogyne Incognita) and Soybean Cyst Nematode (Heterodera Glycines) in Legume Crops	\$0	\$0	\$28,796			
172	2016-01-03-96	HE/University of Delaware	Targeting Heterogeneous Aggressive Breast Cancers: Using Smart DNA-Polymer Nanocapsules for Personalized Physiological Profiling and Tailored Therapeutics	\$428,575	\$0	\$0			
173	2016-01-03-97	HE/University of Delaware	FY 2016 Study of the U.S. Institute on Women's Leadership	\$205,816	\$0	\$0			
174	2016-01-03-98	HE/University of Delaware	The Role of CD24A In Lens Development	\$0	\$0	\$2,500			
175	2016-01-03-99	HE/University of Delaware	Finite Element Construction for Numerical Relativity	\$94,717	\$0	\$0			
176	2016-01-04-01	HE/University of Delaware	Exploratory Research: Electronic and Vibrational Coherence in Heterogeneous Electron Transfer	\$265,245	\$0	\$0			
177	2016-01-04-02	HE/University of Delaware	2016 Fulbright Visiting Scholar Program for Iraq - Engineering Cohort	\$0	\$0	\$58,000			
178	2016-01-04-03	HE/University of Delaware	BC151235P1 Targeting Heterogeneous Aggressive Breast Cancers: Using Smart DNA-Polymer Nanocapsules for Personalized Physiological Profiling and Tailored Therapeutics	\$170,994	\$0	\$0			
179	2016-01-04-04	HE/University of Delaware	Center for Behavioral and Agri-Environmental Research (CBEAR) -- Training and Outreach: 2-year Visiting Scholar Program	\$134,793	\$0	\$0			
180	2016-01-04-05	HE/University of Delaware	Engineering a Conjunctival Tissue Substitute for Ocular Surface Regeneration	\$1,138,981	\$0	\$0			
181	2016-01-04-06	HE/University of Delaware	Development of a Nanoparticle-Based Theranostic Agent to Treat Inflammatory Breast Cancer (IBC) Metastasis	\$375,000	\$0	\$0			
182	2016-01-04-07	HE/University of Delaware	Measuring the Impact of Healthy Food Marketing Strategies in Low Income Supermarkets to Examine the Ultimate Impact on Unhealthy Food Choices and Overeating	\$0	\$0	\$20,271			

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183	2016-01-04-08	HE/University of Delaware	Collaborative Research: Deformation-Induced Hydration of Peridotite Mylonites in Nature and Experiments	\$115,784	\$0	\$0			
184	2016-01-04-09	HE/University of Delaware	Resistor Network Model for Quasi-Isotropic Carbon Composites	\$0	\$0	\$32,052			
185	2016-01-04-10	HE/University of Delaware	Nicotine-Mediated YAP Activation in Early Airway Remodeling	\$0	\$0	\$192,308			
186	2016-01-04-11	HE/University of Delaware	Determining the Ideal Irrigation Strategy for High Intensity Corn Production	\$0	\$0	\$27,395			
187	2016-01-04-12	HE/University of Delaware	Managing Sub-Surface Drip Irrigation for Maximum Profitability in Corn	\$0	\$0	\$15,817			
188	2016-01-04-13	HE/University of Delaware	Trends in Soil Test Phosphorus and Sorption Capacity Following Long-Term Application of Poultry Litter and Commercial Fertilizers	\$0	\$0	\$8,800			
189	2016-01-04-14	HE/University of Delaware	Using Silicon Fertilizers to Improve Soil Phosphorus Availability in High Phosphorus Soils	\$0	\$0	\$8,500			
190	2016-01-04-15	HE/University of Delaware	Skeletal Status and Bone Marrow Fat in Children with Cerebral Palsy	\$117,596	\$0	\$0			
191	2016-01-04-16	HE/University of Delaware	Reaching People with Disabilities Through Healthy Communities	\$0	\$0	\$15,233			
192	2016-01-04-17	HE/University of Delaware	Assessing the Impacts of Seed Treatments and Rotation on SCN Populations and Soybean Yield Over Time	\$0	\$0	\$9,311			
193	2016-01-04-18	HE/University of Delaware	Christopher & Dana Reeve Foundation Paralysis Resource Center High Impact Innovation Quality of Life Grants for State Assistive Technology Programs	\$0	\$0	\$75,000			
194	2016-01-04-19	HE/University of Delaware	NRI: Goal-Oriented, subject-Adaptive, robot-assisted Locomotor Learning (GOALL)	\$463,386	\$0	\$0			
195	2016-01-04-20	HE/University of Delaware	Attack-Resilient, Resource-Aware, Consistent State Estimation for Robot Navigation and Mapping	\$343,134	\$0	\$0			
196	2016-01-04-21	HE/University of Delaware	Optimizing Multifunctionality in Van der Waals Heterostructures Under Extreme Conditions	\$299,178	\$0	\$0			
197	2016-01-04-22	HE/University of Delaware	Assessing the Potential of UAV's for Detecting Crop Moisture Stress	\$0	\$0	\$8,479			

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198	2016-01-04-23	HE/University of Delaware	Evaluating Winter Wheat Response to Irrigation	\$0	\$0	\$13,276			
199	2016-01-04-24	HE/University of Delaware	A Rapid Adhesive Bonding Method for High Quality Composites	\$0	\$0	\$42,949			
200	2016-01-04-25	HE/University of Delaware	Structured Distributions of Energetic Particles in Interplanetary Space	\$103,750	\$0	\$0			
201	2016-01-04-26	HE/University of Delaware	Collaborative Research: Records of Upper Mantle Oxygen Fugacity From Source to Surface	\$106,108	\$0	\$0			
202	2016-01-04-27	HE/University of Delaware	Career: Investigating the Relationship Between Mantle Shear Localization, Melt Flow and Water Content	\$296,746	\$0	\$0			
203	2016-01-04-28	HE/University of Delaware	Collaborative Research: Core Parlo-Implementing Proficiency-Based Education to Teach Common Core Math Standards in Urban High Schools	\$396,776	\$0	\$0			
204	2016-01-04-29	HE/University of Delaware	Radiation Mapping Inside High-Level Nuclear Waste Tanks	\$2,033,685	\$0	\$0			
205	2016-01-04-30	HE/University of Delaware	EPA P3 Physical to Virtual: Optimizing the Apparel Product Development Process to Reduce Solid Waste in Apparel Production. The development and testing of an Interactive Virtual Prototyping Tool	\$9,615	\$0	\$0			
206	2016-01-04-31	HE/University of Delaware	New Castle County Fiscal Year 2016 NR/TBS	\$0	\$0	\$13,728			
207	2016-01-04-32	HE/University of Delaware	Assisting With On-Site Facilitation of DE Quality Working Group Meetings to Review Quality Measures and Develop a Process for Public Reporting of Quality Measures	\$0	\$0	\$3,906			
208	2016-01-02-77	HE/Delaware State University	Building A Genomics Core Facility Featuring Next Generation DNA Sequencing	\$324,363	\$0	\$0			
209	2016-01-02-78	HE/Delaware State University	Health Fund FY16		\$0	\$101,500			
210	2016-01-02-79	HE/Delaware State University	Direct Inverse Problem for Trabecular and Cortical Bones	\$378,639	\$0	\$0			
211	2016-01-02-80	HE/Delaware State University	Development of Sensor System for Sensitive Detection of Methane Carbon Dioxide, & Water Vapor for High Resolution Profile of Greenhouse Gases in the Earth's Atmosphere on UAS Platforms	\$49,945	\$0	\$0			
212	2016-01-02-81	HE/Delaware State University	Mechanisms of Adaptive Modulation of Intrinsic Properties of Motoneurons	\$915,795	\$0	\$0			

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213	2016-01-02-82	HE/Delaware State University	Eastern Oyster Consumer Acceptability to the State of Delaware Federal Research and Development Grant Program	\$10,619	\$0	\$0			
214	2016-01-02-83	HE/Delaware State University	Understanding the Role and Regulation of Pcl6 & Pcl7 in Yeast Biology	\$0	\$0	\$100,000			
215	2016-01-02-84	HE/Delaware State University	Lasert Matter Interaction in Plasma for Spectroscopy and New Light Sources	\$0	\$0	\$99,720			
216	2016-01-02-85	HE/Delaware State University	CD44-Medical Cell signaling in breast cancer cells	\$0	\$0	\$100,000			
217	2016-01-02-86	HE/Delaware State University	Therapeutic Artificial extracellular matrices and adaptable nanoparticles for the prevention of peritoneal dissemination of ovarian cancer	\$0	\$0	\$99,713			
218	2016-01-02-87	HE/Delaware State University	Mathematical Methods and Computer Algorithms for Tissue Quantification and Characterization	\$0	\$0	\$100,000			
219	2016-01-02-88	HE/Delaware State University	Small Molecule Interventions for dopaminergic neuron loss in a drosophila model of Parkinson's Disease	\$0	\$0	\$100,000			
220	2016-01-02-89	HE/Delaware State University	A Human-Aware Energy Efficient Security Framework for Memory- Restrained Internet of Everything Devices	\$0	\$0	\$99,997			
221	2016-01-02-90	HE/Delaware State University	Alzheimer's Disease Research Program	\$0	\$0	\$100,000			
222	2016-01-02-91	HE/Delaware State University	Collaborative Research: TWC: SMALL: Secure the Internal and External Operations of Artificial Pancreas: Towards Analog and Digital, Acoustic-cum Radio Approach	\$300,000	\$0	\$0			
223	2016-01-02-92	HE/Delaware State University	Chemical Programming of Dopants in Coper Chalcogenide Nanostructure	\$491,107	\$0	\$0			
224	2016-01-02-93	HE/Delaware State University	Stimulating Scientific Curiosity and Creativity in STEM Research	\$8,700	\$0	\$0			
225	2016-01-02-94	HE/Delaware State University	Agricultural IPM Education Working Group	\$0	\$0	\$20,000			
226	2016-01-02-95	HE/Delaware State University	Separating Emission Spectrum of Target from Ambient in Laser Induced Breakdown Spectroscopy	\$20,843	\$0	\$0			
227	2016-01-02-96	HE/Delaware Technical and Community College	DEMEP NIST Grant	\$500,000	\$0	\$0			